

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	151	(power near2 converter power near2 conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) and transformer and voltage near2 (sensing sensor measure measring detect detecting detector detection) and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 09:27
L2	8	("4451876" "4642743" "5424932" "5528480" "5612862" "5940287" "6055170" "6069802").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 07:13
L3	21908	(power near2 converter power near2 conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) and transformer (adjust adjusting adjustable) near3 ratio and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:20
L4	5	(power near2 converter power near2 conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) and transformer and(adjust adjusting adjustable) near3 ratio and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:00
L5	4	(power near2 converter power near2 conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) and transformer and(reduce reducing) near3 pulse and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:01
L6	11	(converter conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) and transformer and(reduce reducing) near3 pulse and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:01
L7	3	("5341285" "5675480" "5943227").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:03
L8	3	("4499531" "4860185" "5010223").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:17
L9	1	10/627878	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:20
L10	1082	(361/18).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/20 08:20
L11	8	10 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:24

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L12	343	(regulation regulator) and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:25
L13	43	12 and duty near2 ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 08:25
L14	7	("4627714" "5231423" "5270738" "5734391" "5949443" "5995397" "6177739").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:45
L15	1	("4868729").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/20 08:46
L16	0	("DCnear3motorand(converterconversionregulatorregulation)andtransformerandphotonear2coupler").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/20 08:47
L17	37	DC near3 motor and (converter conversion regulator regulation) and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 09:26
L18	2096	(361/91.1,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/20 09:26
L19	97	(power near2 converter power near2 conversion fly near2 back near2 converter AC near2 converter AC near2 conversion) AND 18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 09:27
L20	3	19 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/20 09:27
S1	56321	(overvoltage excess near2 voltage surge near2 voltage transisent near2 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 10:31
S2	2039	S1 and power near2 drive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 10:31

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S3	929	S2 and transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:12
S4	365	S3 and (indicator alarm LED photo near2 coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 10:37
S5	2	((("6430062") or ("6104622"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 10:37
S6	2	("4984145" "5892672").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:38
S7	3	("5508588" "5528483" "5644481").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:40
S8	3	("3913001" "4847742" "4849869").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:42
S9	1	("4761702").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:44
S10	14	("4849869").URPN.	USPAT	OR	ON	2006/10/19 10:44
S11	7	("3909695" "4459651" "4460951" "4849869" "5430633" "5747977" "5912552").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:47
S12	11	("6212079").URPN.	USPAT	OR	ON	2006/10/19 10:47
S13	5	("4228493" "4849869" "5414611" "5581451" "5675485").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:51
S14	12	("5862044").URPN.	USPAT	OR	ON	2006/10/19 10:52
S15	5	("5675485" "5862044" "5978195" "6023178" "6088244").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 10:58
S16	176	(fly near2 back near2 converter fly near2 back near2 conversion power near2 converter power near2 conversion) same (overtime surge voltage sensing near2 voltage detection near2 voltage detection near2 voltage transient near2 voltage) and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 11:00
S17	5	("5999421" "6515876" "6529391" "6842350" "6947298").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:03
S18	7	("4627714" "5231423" "5270738" "5734391" "5949443" "5995397" "6177739").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:07
S19	6	("3515974" "5202618" "5768117" "5953223" "6014322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:11
S20	1	("5675480").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:12

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S21	27	("6014322").URPN.	USPAT	OR	ON	2006/10/19 11:12
S22	3	("4262336" "4475150" "6005366").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:19
S23	5	("4228493" "4849869" "5414611" "5581451" "5675485").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:23
S24	10	("3170085" "4371918" "4392087" "4451876" "4486823" "4535399" "4553070" "4677534" "4687971").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 11:27
S25	11	("4881014").URPN.	USPAT	OR	ON	2006/10/19 13:02
S26	20966	("363").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:02
S27	0	("01and26").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:02
S28	2147	S1 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:02
S29	1556	S28 and transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:03
S30	48	S29 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:03
S31	7	("4683528" "5349523" "5434767" "5499184" "5644481" "5786990" "6208531").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:04
S32	5	("4811192" "4864479" "5001621" "5422765" "5638260").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:06
S33	8	("3354378" "3515974" "3564384" "3701937" "3729671").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:11
S34	214230	takahashi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:12
S35	362	S1 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:12

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S36	38	S35 and transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:35
S37	1549	converter and inverter and transformer and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:24
S38	34	S37 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:36
S39	26	("4856286" "5237494" "5261252" "5309052" "5452201" "5528114" "5594199" "5604672" "5646852" "5694010" "5712540" "5744921" "5757151" "5769907" "5877600" "6002218" "6037725" "6132177" "6153993" "6172476" "6207900" "6281649" "6331925" "6389823" "6414455" "6476329").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:26
S40	2	("4041544" "4316242").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:33
S41	1	("6414854").URPN.	USPAT	OR	ON	2006/10/19 13:33
S42	475	phase near2 (converter conversion) and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:26
S43	4	S42 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:36
S44	5	("4866589" "5412556" "5440473" "5448466" "5748461").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:38
S45	6	("6028776").URPN.	USPAT	OR	ON	2006/10/19 13:38
S46	2367	(two three multi) near2 phase and (converter conversion) and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 13:43
S47	16	S46 and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:08

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S48	1	("5771163").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:44
S49	7	("4062057" "4347558" "4525774" "4686619" "5229928" "5272313" "5355295").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:45
S50	1	("3818307").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:46
S51	7	("3356930" "3414803" "3566143" "3585491" "3675037").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:47
S52	26	("3818307").URPN.	USPAT	OR	ON	2006/10/19 13:47
S53	9	("4788485" "4965504" "5250890" "5483141" "5483167" "5532569" "5650700" "5656911" "5663627").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:53
S54	2	("4375612" "5471125").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:57
S55	3	("5659233").URPN.	USPAT	OR	ON	2006/10/19 13:57
S56	3	("5075610" "5115181" "5424624").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:01
S57	126	S46 and transformer and (isolator photo near2 coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:26
S58	2	("4375612" "5471125").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:14
S59	21	("3374414" "3419790" "3458797" "3491282" "3564393" "3581212" "3652918" "4194239" "4476520" "4479175" "4480297" "4685043" "4742441" "4775923" "4780801" "Re28986").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:21
S60	22	("5155672").URPN.	USPAT	OR	ON	2006/10/19 14:24
S61	0	"7095724"	JPO	OR	ON	2006/10/19 14:25
S62	0	PJ7095724	JPO	OR	ON	2006/10/19 14:25
S63	1195	phase near2 POWER AND (converter conversion) and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:26
S64	110	S63 and (isolator photo near2 coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:34

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S65	245	voltage near2 (sensing sensor detect detecting detection) near7 (isolator photo near2 coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:26
S66	121	S65 and transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 14:35
S67	1	("4979067").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:42
S68	2	("5381294").URPN.	USPAT	OR	ON	2006/10/19 14:42
S69	5	("3842337" "3878448" "4384248" "4464585" "4536816").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:49
S70	9	("3599075" "3865438" "3881147" "3962624" "4084206" "4084221" "4313156" "4371909" "4414599").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 14:50
S71	12	("4536816").URPN.	USPAT	OR	ON	2006/10/19 14:51
S72	9	("4675800").URPN.	USPAT	OR	ON	2006/10/19 15:08
S73	15	DC near2 phase and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:10
S74	1	(plural plurality multi multiple) near2 phase near3 output and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:11
S75	23	(plural plurality multi multiple) near2 phase and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:13
S76	38	AC near2 (converter conversion) and inverter and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:19
S77	9	AC near2 (converter conversion) and motor near2 (drive driver control controller) and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:19

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S78	85	(converter conversion) and motor near2 (drive driver control controller) and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:24
S79	905	(361/20,23).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 15:24
S80	2	S79 and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:24
S81	5	S79 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:25
S82	11	motor near2 (protection protector) and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:26
S83	336	"363"/\$.ccls. and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:26
S84	201	voltage near2 (sensing sensor detect detecting detection) and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:26
S85	2	("4446405" "5216585").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 15:39
S86	3	("6324081").URPN.	USPAT	OR	ON	2006/10/19 15:39
S87	2	("3569818" "4322785").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 15:54
S88	5	("4809151").URPN.	USPAT	OR	ON	2006/10/19 15:58
S89	94	dc NEAR2 ac near2 (converter conversion) and transformer and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:28

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S90	411	secondary near2 winding and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:29
S91	56	S1 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:30
S92	168	phase near2 outputs and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:33
S93	25	S1 and S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:32
S94	692	output near3 phase near3 power near2 supply	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:33
S95	4	S94 and photo near2 coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:39
S96	3	(plural plurality multi multiple) near2 outputs and transformer near2 photo near2 coupler and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 16:40
S97	11	("3742330" "4079295" "4092709" "4133025" "4253136" "4293904" "4302803" "4318165" "4326245" "4327404" "4791528").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 07:03